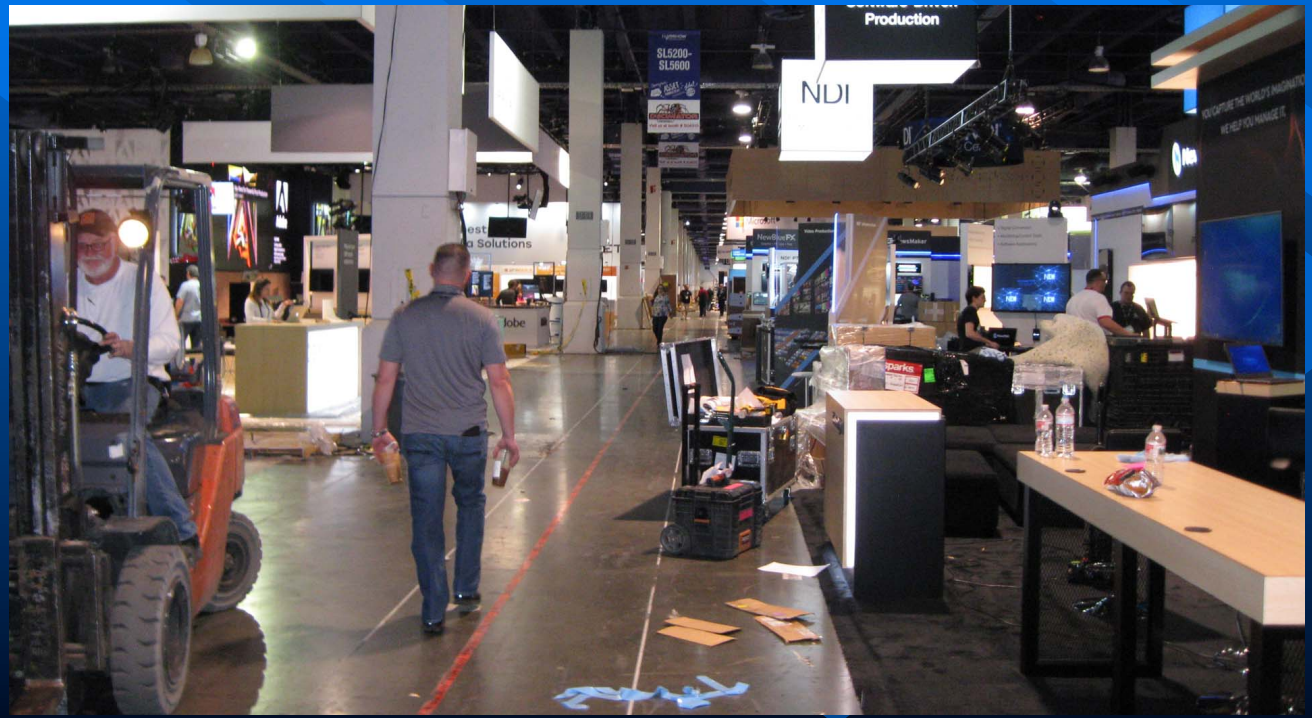
# Rick Ackermans
# NAB 2019

# NAB 2019

every Story starts here.
NABSHOW
Where Content Comes to Life
APRIL 6-11, 2019 | LAS VEGAS, NV

# NAB 2019



# NAB 2019

SL3300
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AJA
HDR | Image Analyzer
Produce and Deliver HDR with Confidence
HDR Monitoring and Analysis

# NAB 2019

## FUTURE OF CINEMA CONFERENCE

### Now, Next, and Beyond the Yellow Brick Road.

The Future of Cinema Conference (FoCC) maps the path forward towards the technology horizon. The 2019 FoCC program includes the technical depth you expect and a broad, global perspective of diverse planes of thought. Join us for an exciting, thought provoking day and a half with the experts who are changing the very foundation of the Media and Entertainment industry.

**Don't miss this year's keynote:** The Making of "Apollo 11" by Todd Douglas Miller

**Produced in partnership with:**

SMPTE
SINCE 1916

April 6 - 7, 2019
S222/S223, South Hall Meeting Rooms

**Registration Access**

Open to Conference Flex and Conference Flex Session 3-Pack holders.

PACKAGES REGISTER

# NAB 2019

RIST Forum
Live Multi Vendor Interop Demo For NAB 2019
NABSHOW
Israel
VideoFlow
USA - CA
QVidium
United Kingdom
Nevion
USA - VA
Zixi
USA - CA
COBALT
Why does the Internet Drop Packets?
Router
Cobalt
Canada
RedBull
FROZENRUSH
Evertz
USA - MA
Artel
USA - FL
DVEO
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RIST Forum

Live Multi Vendor Interop Demo For NAB 2019

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# NAB 2019

# NAB 2019

NABSHOW
Where Content Comes to Life
Done
RIST Panel Intro.pptx
RIST Forum
RIST Panel: Reliable, Interoperable and Community Driven Retransmission Technology
TUESDAY, APRIL 9 AT 2 PM IN THE SOUTH HALL LEARNING LAB (S210)

# NAB 2019

IP SHOWCASE THEATER
CURATED BY
VSF
VIDEO SERVICES FORUM
IP SHOWCASE THEATER
VSF
Panel Discussion:
All-IP Success Stories – Real World Deployments
François Legrand, Radio Canada
Daniel Murphy, NEP
Mike Wilken, Fox
Hosted by Matthew Goldman, MediaKind
MediaKind
everyone everywhere
IP SHOWCASE THEATER AT NAB - APRIL 8-11, 2019

| | Monday, Apr. 8 | Tuesday, Apr. 9 | Weds, Apr. 10 | Thurs, Apr. 11 |
|---|---|---|---|---|
| 9:00 am | | Show Opens | Show Opens | Show Opens |
| 9:30 am | | Implementing AES67 and ST 2110-30 in Your Plant (Wheatstone) | AMWA BCP-003 - NMOS API Security (BBC R&D) | The Basics of SMPTE ST 2110 in 60 Minutes (Telecom Product Consulting) |
| 10:00 am | Show Opens | AES67 and ST 2110-30 Interoperability in Real Life (DirectOut) | NMOS API Authorization - How to Lock My Media Streams (Riedel) | |
| 10:30 am | The Basics of SMPTE ST 2110 in 60 Minutes (Telecom Product Consulting) | Current Status of ST 2110 over 25 GbE (M3L) | Scalability and Performance of IS-04 and IS-05 and How TR-1001-1 Helps (Sony Europe) | Live Closed Captioning and Subtitling in SMPTE 2110-40 (EEG) |
| 11:00 am | | Utilizing ST 2110 in ProAV Applications (PESA) | Securing Your Live IP Production Workflows - Freeing Your Creativity (Arista) | Network Automation Using Python and Google Sheets (EBU) |
| 11:30 am | A Simple Description of SDP in SMPTE ST 2110 (Embrionix) | Audio Handling in an IP Studio Environment (Nevion) | NMOS IS-07 – GPI Replacement and Much, Much More... (Pebble Beach) | Transporting ST 2110 Over WAN Update (Nevion) |
| 12:00 pm | JT-NM Qualification Event (EBU) | ST 2110-30 and NMOS IS-08 — Audio Transport and Routing (ALC NetworX) | Monitoring and Measuring IP Media Networks (Tektronix) | Military Grade Security for Video over IP (Nextera Video) |
| 12:30 pm | Building Scalable Systems Using SMPTE ST 2110 (Imagine Communications) | Routing 'Mono' Audio from Multi-Channel Streams (Imagine Communications) | High-Precision Capturing and Measuring of 2110 Streams Using Commodity IT Equipment (EBU) | JPEG-XS and ST 2110 (IntoPIX) |
| 1:00 pm | CASE STUDY: PlazaMedia IP-based Broadcasting Centre (Nevion) | CASE STUDY: ST 2110 From Theory to Reality, Full ST 2110 UHD/HDR OB Van (tpc) | CASE STUDY: NEP UK ST 2110 Production Environment (Grass Valley) | A Study of Protocols for Low-Latency Video Transport Over the Internet (Cobalt Digital) |
| 1:30 pm | CASE STUDY: ORF on Building a Large OB Truck With ST 2110 (BFE) | CASE STUDY: Telemundo On-Air with ST-2110 (Evertz) | CASE STUDY: ST 2110 UHD HDR buildout at QVC Japan (Diversified and Imagine) | No Presentations |
| 2:00 pm | Panel Discussion **All-IP Success Stories — Real World Deployments** Moderated by Matthew Goldman (MediaKind) | The Basics of SMPTE ST 2110 in 60 Minutes (Telecom Product Consulting) | Panel Discussion: **SMPTE ST 2110 - Practical Lessons** Tony Orme Broadcast Bridge | Show Closes |
| 2:30 pm | | | | |
| 3:00 pm | AMWA NMOS: The Whole Story (BBC) | Keeping Time with PTP (Tektronix) | Red and Blue, or Purple: Your IP Media Network, Your way (Arista) | |
| 3:30 pm | Scalability and Performance of IS-04 and IS-05 and How TR-1001-1 Helps (Sony Europe) | Aligning Streams in ST 2110 or How to Manage Lip Sync (Imagine Communications) | A Performance Measurement Study of the Reliable Internet Stream Transport Protocol (Cobalt Digital) | |
| 4:00 pm | AMWA NMOS Identity and Timing (BBC) | PTP Management and Media Flow Monitoring for All-IP Infrastructures (Skyline Communications) | Connection Bitrate Optimization Technique for Multi-Stream Distribution Over IP Networks (VideoFlow) | |
| 4:30 pm | TR-1001: Replacing Video-By-Spreadsheet (EEG) | Synchronization of ST 2110 Streams (ALC NetworX) | User Requirements Beyond ST 2110 (EBU) | |
| 5:00 pm | AMWA NMOS IS-04 and IS-05: Things You Might Not Know (BBC) | Using PTP / SMPTE 2059: A Practical Experience Perspective (Telos Alliance) | A New Approach to Media Delivery: Embracing the Attributes of IP Cloud (MediaKind) | |

# NAB 2019

## Joint Task Force on Networked Media (JT-NM)

Home | JT-NM Tested | Roadmap | Reference Architecture | Phases | Articles | Contact | About

### JT-NM Tested

Download the NAB 2019 JT-NM Tested Catalog (Apr. 2019)

### The JT-NM Tested Program (April 2019)

The JT-NM Tested program offers prospective purchasers of IP-based equipment greater, more documented insight into how vendor equipment aligns with the SMPTE ST-2110 and SMPTE ST-2059 standards. The JT-NM Tested Catalog documents the test procedures, test equipment and results of the JT-NM Tested event that was held during the week of March 18, 2019 at the Fox Networks facility in The Woodlands, TX, USA. This program is not a certification program; rather it is a snapshot in time of how vendor equipment conforms to key parts of SMPTE standards, providing prospective purchasers and users with a reference as they begin their equipment evaluation and qualification process.

*The Joint Task Force on Networked Media is led by the following JT-NM Admin Group members:*

AMWA EBU SMPTE VSF VIDEO SERVICES FORUM

# NAB 2019

New Product
STEADYGUY
CAMERA RELATED INJU ES
LESIONES RELACIONADAS CON LA CÁMAR
ASK US

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Konvision
4K HDR MONITOR
NEW
3000FT
4K HDR
12G-SDI
Mole-Richardson Co.

# NAB 2019